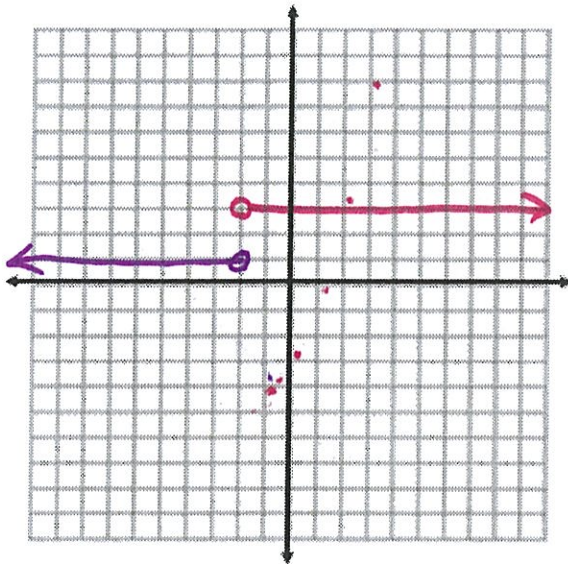


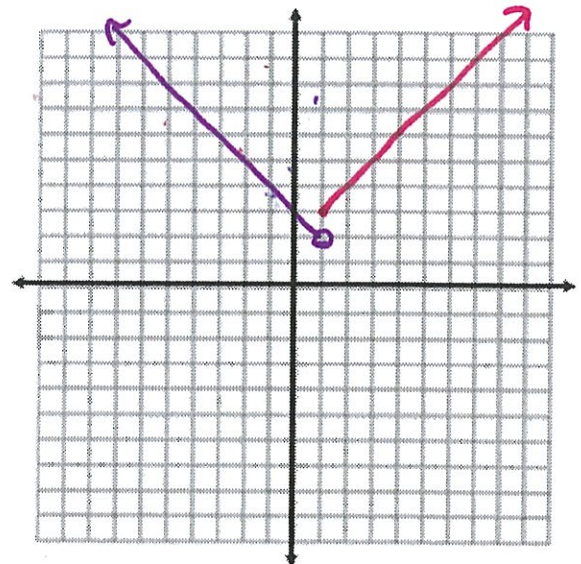
Name:

Solutions/Answers

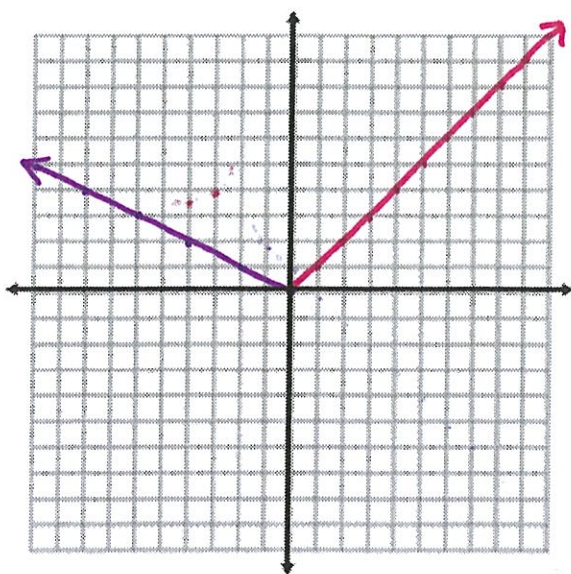
$$1. f(x) = \begin{cases} 3 & \text{if } x > -2 \\ 1 & \text{if } x < -2 \end{cases}$$



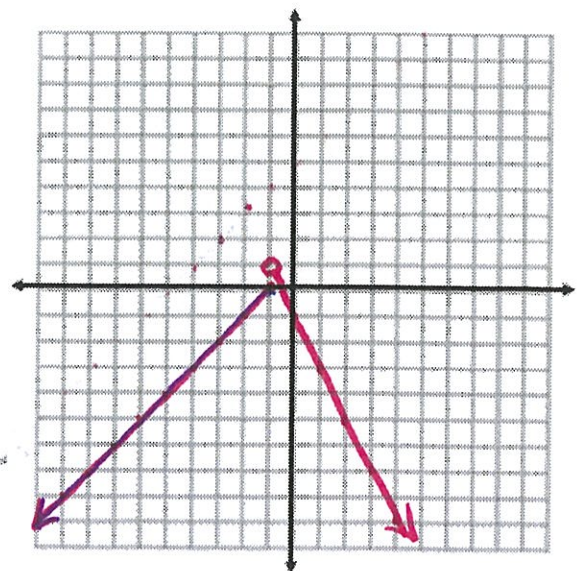
$$2. g(x) = \begin{cases} x+2 & \text{if } x \geq 1 \\ -x+3 & \text{if } x < 1 \end{cases}$$



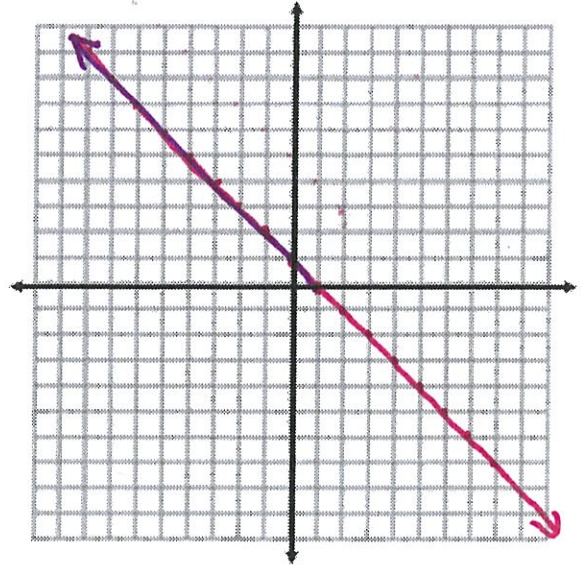
$$3. k(x) = \begin{cases} x & \text{if } x \geq 0 \\ -\frac{1}{2}x & \text{if } x < 0 \end{cases}$$



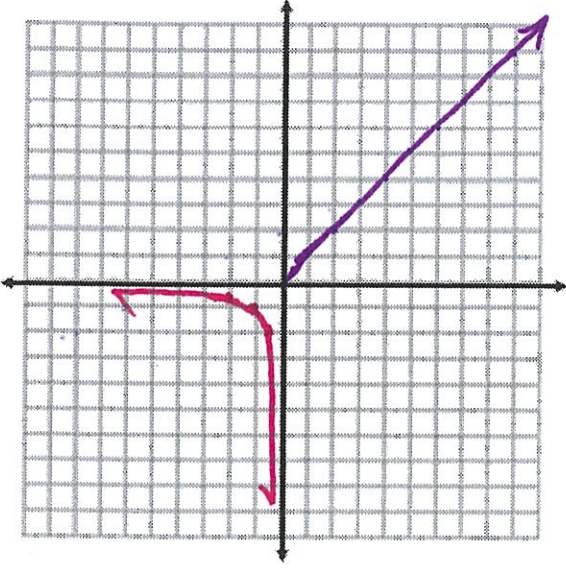
$$4. p(x) = \begin{cases} x+1 & \text{if } x \leq -1 \\ -2x-1 & \text{if } x > -1 \end{cases}$$



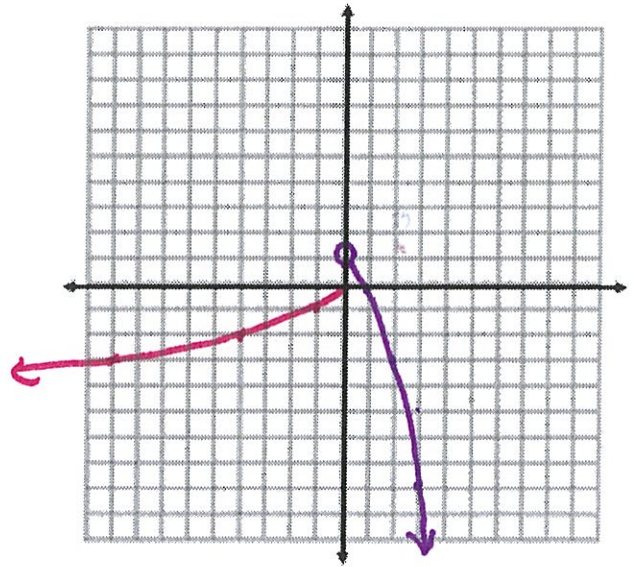
$$7. \quad k(x) = \begin{cases} x+1 & \text{if } x < -1 \\ -1-x & \text{if } x \geq -1 \end{cases}$$



$$8. \quad d(x) = \begin{cases} \frac{1}{x} & \text{if } x > 0 \\ x & \text{if } x \leq 0 \end{cases}$$



$$5. \quad f(x) = \begin{cases} \sqrt{x} & \text{if } x \geq 0 \\ x^2 - 1 & \text{if } x < 0 \end{cases}$$



$$6. \quad g(x) = \begin{cases} \frac{1}{2}x^2 - 9 & \text{if } x < -1 \\ x - 7 & \text{if } x \geq -1 \end{cases}$$

